

#4

PCT10

RAW SEQUENCE LISTING

DATE: 01/14/2002

PATENT APPLICATION: US/10/018,672

TIME: 12:01:39

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\01142002\J018672.raw

ENTERED

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4 <110> APPLICANT: Thonnard, Joelle
6 <120> TITLE OF INVENTION: BASB111 Polypeptide and Polynucleotide
7   From Moraxella Catharrhalis
10 <130> FILE REFERENCE: BM45395
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/018,672
C--> 12 <141> CURRENT FILING DATE: 2001-12-13
12 <150> PRIOR APPLICATION NUMBER: 9914945.2
13 <151> PRIOR FILING DATE: 1999-06-25
15 <150> PRIOR APPLICATION NUMBER: PCT/EP00/05852
16 <151> PRIOR FILING DATE: 2000-06-23
18 <160> NUMBER OF SEQ ID NOS: 4
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 831
24 <212> TYPE: DNA
25 <213> ORGANISM: Moraxella catarrhalis
27 <400> SEQUENCE: 1
28 atgaattttg gtaaaattaa tggatattgt gcactggcat ctggcatcgc attggcaggc      60
29 tgcagcaatc aatcaaacga accagctgcc atatctaaaa cagctgcaca gactatcaag      120
30 gttggcggtca tggcaggtcc tgaacaagct gtggcagagg tagcaggtca agtcgccaaa      180
31 gaaaaataca acctgaccgt tgaattgggt gagtttaatg actatgccat gccaaactca      240
32 gccgtctcaa aagggtgaact tgacgccaat gccatgcagc acaaacccta tcttgaaaaa      300
33 gacagccaaag aaaaaggcct aaataacttg gtcacgtctg gcaacacctt tgtataccca      360
34 ttggcaggtt attcaaccaa aatcaagaca ttaaattgagc taaaagatgg tgcaaccatc      420
35 gccgttccaa atgatccctc aaacttagct cgtgcattaa ttttacttga aaaacaaggc      480
36 ttaattaaat taaaagacaa caccaacctt ttctcaacca cacttgatat cgtagaaaaa      540
37 ccaaaaaaat tggctcatcaa agaagtggat acctcagttg ctgctcgtgc aattgacgat      600
38 ttggacttgg cagtggttaa taacaactat gcaggtcaag taggtttaac agccagtga      660
39 aatggcggtt ttgttgaaga taaagactcg ctttatgtca atatcatcgt cgctcgtgct      720
40 gacaataaag actctaaggc catccaagac tttgtgaaag cctatcaaac cgatgaagtg      780
41 gaagctgaag ccaaaaagca atttaaagat ggtgttatca aaggctggta a      831
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 276
45 <212> TYPE: PRT
46 <213> ORGANISM: Moraxella catarrhalis
48 <400> SEQUENCE: 2
49 Met Asn Phe Gly Lys Ile Asn Gly Ile Cys Ala Leu Ala Ser Gly Ile
50 1           5           10           15
51 Ala Leu Ala Gly Cys Ser Asn Gln Ser Asn Glu Pro Ala Ala Ile Ser
52           20           25           30
53 Lys Thr Ala Ala Gln Thr Ile Lys Val Gly Val Met Ala Gly Pro Glu
54           35           40           45
55 Gln Ala Val Ala Glu Val Ala Gly Gln Val Ala Lys Glu Lys Tyr Asn
56           50           55           60
57 Leu Thr Val Glu Leu Val Glu Phe Asn Asp Tyr Ala Met Pro Asn Ser
58 65           70           75           80
59 Ala Val Ser Lys Gly Glu Leu Asp Ala Asn Ala Met Gln His Lys Pro

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60          85          90          95
61 Tyr Leu Glu Lys Asp Ser Gln Glu Lys Gly Leu Asn Asn Leu Val Ile
62          100          105          110
63 Val Gly Asn Thr Phe Val Tyr Pro Leu Ala Gly Tyr Ser Thr Lys Ile
64          115          120          125
65 Lys Thr Leu Asn Glu Leu Lys Asp Gly Ala Thr Ile Ala Val Pro Asn
66          130          135          140
67 Asp Pro Ser Asn Leu Ala Arg Ala Leu Ile Leu Leu Glu Lys Gln Gly
68 145          150          155          160
69 Leu Ile Lys Leu Lys Asp Asn Thr Asn Leu Phe Ser Thr Thr Leu Asp
70          165          170          175
71 Ile Val Glu Asn Pro Lys Lys Leu Val Ile Lys Glu Val Asp Thr Ser
72          180          185          190
73 Val Ala Ala Arg Ala Ile Asp Asp Val Asp Leu Ala Val Val Asn Asn
74          195          200          205
75 Asn Tyr Ala Gly Gln Val Gly Leu Thr Ala Ser Glu Asn Gly Val Phe
76          210          215          220
77 Val Glu Asp Lys Asp Ser Pro Tyr Val Asn Ile Ile Val Ala Arg Ala
78 225          230          235          240
79 Asp Asn Lys Asp Ser Lys Ala Ile Gln Asp Phe Val Lys Ala Tyr Gln
80          245          250          255
81 Thr Asp Glu Val Glu Ala Glu Ala Lys Lys Gln Phe Lys Asp Gly Val
82          260          265          270
83 Ile Lys Gly Trp
84          275
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 38
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Primer
94 <400> SEQUENCE: 3
95 aggcagaggg aattcatgaa ttttggtaaa attaatgg
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 59
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer
105 <400> SEQUENCE: 4
106 aggcagaggg tcgacttaat ggtgatggtg atggtgccag cctttgataa caccatctt

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59

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,672

DATE: 01/14/2002

TIME: 12:01:40

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\01142002\J018672.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date